

- LEGEND**
- POINT OF APPLICATION OF GRADE
  - 1.5" BITUMINOUS CONCRETE - CLASS 1
  - 1.5" BITUMINOUS CONCRETE - CLASS 1 BASE COURSE
  - ASPHALTIC TACK COAT ON CONCRETE BASE
  - 8" REINFORCED CONCRETE (3000 PSI MIN. 96 HOUR CURE)
  - 6"x20" GRANITE CURBING
  - 5" AND 8" 4000 PSI CONCRETE WALK
  - 12" PROCESSED TRAPROCK
  - LOAM AND SEED OR 2" BIT. CONCRETE SURFACE
  - 6" PROCESSED TRAPROCK
  - 6" X 12" #4 WELDED WIRE MESH REINFORCEMENT
  - 28" ALUMINUM STREET LIGHT POLE (TEXTURE BY OTHERS)
  - 8" UNDERDRAIN WHERE REQUIRED BY CITY
  - SUITABLE SUB GRADE SHAPED AND COMPACTED

DESIGN CRITERIA:	
DESIGN CONTROLS:	
Design Speed:	35 mph
Level of Service:	C-D
ROW Width:	66'-74'
ALIGNMENT ELEMENTS:	
Stopping Sight Distance:	250'
Minimum Radius:	425' (e=4%)
Minimum Grade:	0.5%
Maximum Grade:	7%
Vertical Curve (k):	29
Crest	49
Sag	
CROSS SECTION ELEMENTS:	
Curb to Curb Width:	36'-44'
Travel Lane Width:	12'
Shoulder Width:	0-4'
Pavement Cross Slope:	1.5%-2.0%
Sidewalk Width:	10'
Sidewalk Cross Slope:	2% Max.

Design criteria based on "AASHTO-Geometric Design of Highways and Streets", 4th Edition, 2001. This manual should be referenced to obtain the accurate design values for the applicable component range.

**Traffic Calming:**  
The Department of Public Works has developed a City wide Traffic Calming Master Plan, street projects shall incorporate elements of this plan. The City Engineer should be consulted as to which traffic calming device is to be incorporated on a specific roadway.

**Permits**  
Applicable permits that may be required are, but not limited to: City of Hartford, Department of Public Works Construction Permit, Metropolitan District Developer's Permit, DEP Stormwater Discharge Permit. It is the developer's responsibility to verify and obtain all required permits.

**Utilities:**  
Line assignment for utility facilities shall be located within the curb to curb width. Such line assignments will be issued by the Department of Public Works.

**Illumination:**  
Illumination design shall conform to IESND standards with a 2.0 footcandle average light level within the ROW. Fixtures shall be "Dark Skies" compliant unless otherwise approved by the Director of Public Works.


**U.F.A.S.:**  
Handicapped accessible ramps shall be installed at every location where a pedestrian street crossing is planned. The ramp shall not exceed a slope of 1:12. Any design shall be compliant with current UFAS requirements.

**Introduction:**  
This drawing is provided for the purpose of establishing the minimum design guidelines with respect to the construction of a Minor Arterial Street, as defined by "A Policy on Geometric Design of Highways and Streets, 2001" by American Association of State Highway and Transportation Officials", (AASHTO), current edition, or as amended within the City of Hartford. The materials, dimensions, utilities and amenities shown are subject to the approval of the City of Hartford, Department of Public Works under the applicable provisions of the City of Hartford Municipal Code. The City reserves the right to amend or modify any part of these guidelines for any reason or purpose.

Roadway Geometry shall conform to the requirements of Chapter 7, Rural and Urban Arterials of the AASHTO manual.

Revisions	By	Date	Notice	Sign-Offs	By	Date
			Manual revisions to this drawing are prohibited. The use of this drawing by any person without the written consent of the City of Hartford is prohibited.	Drawn		
				Checked		
				Recommended		
				Approved		
				Recorded		

<b>TYPICAL ROADWAY CROSS SECTION</b> City of Hartford - Department of Public Works Hartford, Connecticut, 06103		Drawing Scale: As noted	Job No. 405121	Date: August 2006
---	--	-------------------------	----------------	-------------------

<b>City of Hartford, Connecticut</b> Department of Public Works			<b>TYPICAL ROADWAY SECTION</b> MINOR ARTERIAL

Sheet No.	File Name:
-----------	------------